

REMARKS

Claims 1-2, 6-13, 18-19, 22-35 and 46 are currently pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

REJECTIONS UNDER 35 U.S.C. § 102

Claims 1, 6-12, 18, 22-31, 35, and 46 stand rejected under 35 U.S.C. §102(b) as being anticipated by Yamamoto et al. (U.S. Patent No. 6,445,432). Claims 2 and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Yamamoto et al. in view of Shin (U.S. Patent No. 5,825,449). Claims 13 and 32-34 stand rejected as being unpatentable over Yamamoto et al. in view of Song (U.S. Patent No. 6,307,602).

Applicants respectfully traverse these rejections for at least the reasons set forth below.

In order to expedite prosecution of the present application, Applicants have elected to amend independent Claim 1 to further recite a liquid crystal display device that includes:

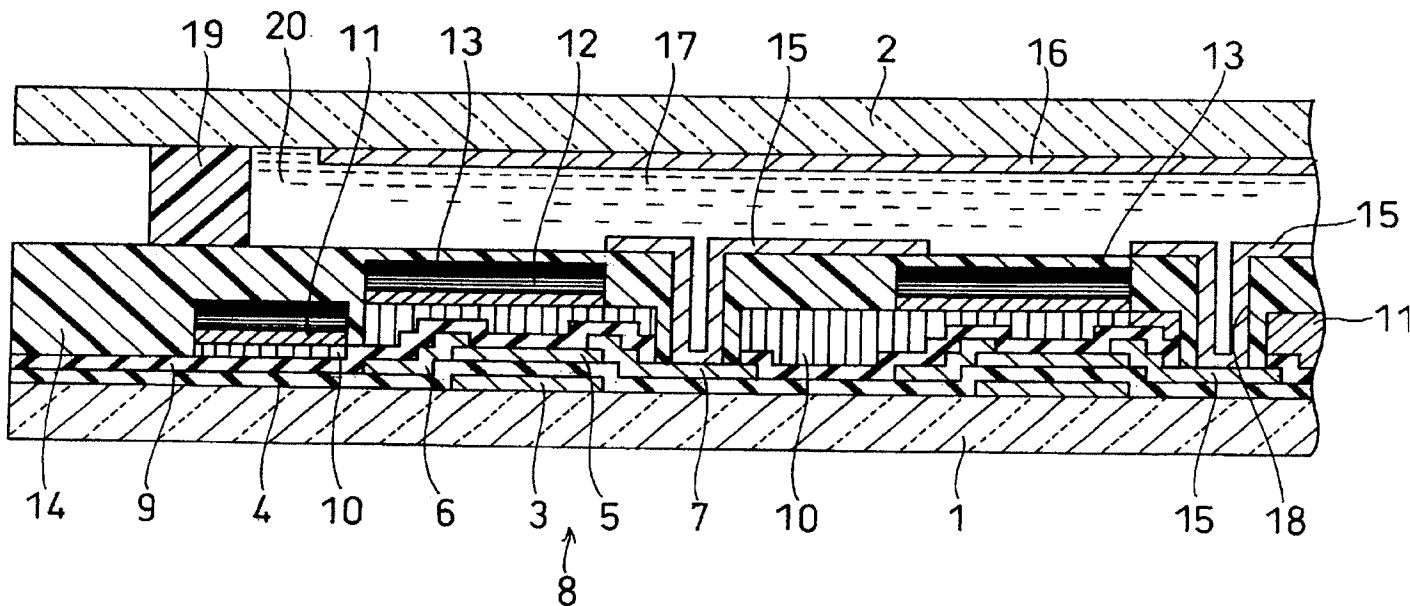
a pixel electrode formed directly on a top surface of the color filter in each pixel region, each pixel electrode contacting one of the drain electrodes through the drain contact hole, wherein a portion of the pixel electrode in the drain contact hole contacts the color filter defining the drain contact hole.

Emphasis Added; See also Claim 18 ("forming a pixel electrode directly on a top surface of the color filter in each pixel region, each pixel electrode contacting one of the drain electrodes through the drain contact hole, wherein a portion of the pixel electrode in the drain contact hole contacts the color filter defining the drain contact hole"); Claim 35 ("forming a pixel electrode in each of the pixel regions directly on a top surface of each of the red, green and blue color filters, wherein the pixel electrode contacts the drain electrode through a drain contact hole of each of the red, green and blue color filters exposing the drain electrode, and wherein a portion of the pixel electrode in the drain contact hole contact each of the red, green and blue color filters defining the drain contact hole"); and Claim 46 ("a plurality of color filters disposed on one of the first and second substrates in the pixel regions, each color filter containing one of red, green and blue color resins such that the plurality of pixel electrodes are formed directly on top surfaces of the

plurality of color filters...wherein the pixel electrode contacts the drain electrode through a drain contact hole of the color filter exposing the drain electrode, wherein a portion of the pixel electrode in the drain contact hole contacts the color filter defining the drain contact hole”). At a minimum, Yamamoto et al. does not teach these features.

In the rejection, the Examiner asserts that Figure 2 of Yamamoto et al., reproduced below, discloses the configuration of the pixel electrode as recited in independent Claim 1. Applicants respectfully disagree for at least two reasons. First, Yamamoto et al., fails to teach the configuration of “a pixel electrode formed directly on a top surface of the color filter in each pixel region.”

FIG. 2



As clearly depicted in Figure 2 of Yamamoto et al., the alleged pixel electrode 15 is disposed directly on the flatten film 14 and the source electrode 7. Therefore the alleged pixel electrode is not formed directly on a top surface of either the first color layer 10, the second color layer 11, or the third color layer 12 (i.e., the alleged color filter) as recited in independent Claim 1. See also Claims 18, 35, and 46.

Second, Yamamoto et al., fails to teach or suggest having “a portion of the pixel electrode in the drain contact hole [contact] the color filter defining the drain contact hole” as presently claimed. See also Claims 18, 35, and 46. As illustrated above, the

portion of the alleged pixel electrode 15 within the contact hole 18 is merely in contact with the flatten film 14 and the source electrode 7. Figure 2 of Yamamoto et al., fails to disclose a portion of the alleged pixel electrode 15 within the contact hole 18 in contact with the first color layer 10, the second color layer 11, or the third color layer 12 (i.e., the alleged color filter as asserted by the Examiner).

Therefore Applicants respectfully submit that the Yamamoto et al. reference neither teaches nor even contemplates the liquid crystal display device as claimed by Claim 1. See also Claims 18, 35, and 46. For at least the reasons cited, Applicants respectfully assert that Yamamoto et al. fails to anticipate independent Claims 1, 18, 35, and 46. As such, Applicants respectfully request that the rejection of independent Claims 1, 18, 35, and 46 and their respective dependent claims be withdrawn.

CONCLUSION

Based on the above remarks, Applicants respectfully submit that the claims are in condition for allowance. The Examiner is kindly invited to contact the undersigned attorney to expedite allowance.

Respectfully submitted,

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